



# The Raleigh Amateur Radio Society's **EXCITER**

## GET INVOLVED

- RARS General Membership meeting: **Second Tuesday** of the month.
- The RARS net meets every night except Saturday @ 8 p.m. on 146.640.
- The RARS Technical & Trader's net: Saturdays @ 8:00 PM on 146.64.
- RARS meets for a monthly dinner on the **third Tuesday** of each month.
- On the **fourth Tuesday** of every month, in-person meeting at Ridge Road Baptist Church where there will be project tables, demos, snacks, and socializing.



## PUBLIC SERVICE EVENTS

Interested in helping? Visit  
<https://www.rars.org/public-service.php>

frequently for our ham public service schedule.

## RARS General Meeting

**Date:** September 9, 2025

**Topic:** Configuring Software for Digital HF Modes

**Presenter:** Presented by RARS Member Devin Hedge, KN4FVH

**Where:** Ridge Road Baptist Church

**Time:** In-Person and Zoom Meeting at 7:30 PM, [More info at RARS.org](https://www.rars.org)

## RARS In Person Gathering

**Date:** September 23, 2025

**Where:** Ridge Road Baptist Church

**Time:** 7:00 PM

In-person Gathering at Ridge Road Baptist Church where there will be project tables, demos, snacks, and socializing.

## RARS Officers

### **PRESIDENT**

Fin Gold  
NC4FG  
nc4fgfin@gmail.com

### **VICE PRESIDENT**

Chuck Till  
K4RGN  
k4rgn@outlook.com

### **SECRETARY**

Julie Royster  
KT4JR  
919-782-1624  
KT4JR@arrl.net

### **TREASURER**

Greg Seamster  
KE4PAX  
919.859.0029  
KE4PAX@arrl.net



## The Raleigh Amateur Radio Society

The Raleigh Amateur Radio Society, Inc. (RARS) was founded in 1969 and continues to serve and support the amateur radio community in the greater Triangle area. In 1999, the society incorporated a new RARS and obtained 501(c)(3) non-profit tax status.

The objectives of the club are to promote worldwide friendship through amateur radio; to be of public service by providing radio communications in times of disaster, emergency, or civic needs; to educate members in radio technique, and to provide training classes to assist in obtaining amateur radio licenses.

Anyone interested in amateur radio is eligible to apply for membership. Regular dues for licensed amateurs are \$18 per year. (From July 1 through June 30.) Additional licensed immediate family members pay \$5 each per year. Dues for licensed full-time students and licensed seniors 60 and over are \$12 per year. Unlicensed individuals may become associate members for \$9 per year. Applications for membership are available from the treasurer or on the RARS web site.

<https://www.rars.org>

---

### ***Exciter***

The Exciter is the official newsletter of the Raleigh Amateur Radio Society. It appears each month as a PDF on the RARS website at [www.rars.org](http://www.rars.org). Members receive email notification when the latest version is available. Please provide your email address to the Treasurer.

The Exciter welcomes articles, advertisements, and other contributions. To submit a piece to the newsletter, please contact the Editor. The Editor reserves the right to edit any and all pieces. The submission deadline for each month's Exciter is the Saturday that is ten days before the general meeting. All submissions must be final. Drafts are not accepted.

The views expressed in the Exciter are those of the individual authors and do not necessarily reflect the views of the Editor or RARS.

Tom Lewis, N4TL, editor ([editor@rars.org](mailto:editor@rars.org))

## Exciter President's Message for September 2025

### So Many Opportunities

As I peeked into the license testing room before the August Gathering, I recognized several RARS members testing for their license upgrades. They all passed! Whether brand new hams or those with their upgrade, there are many ways to participate in our hobby.



It has been a while since we created it, so I want to remind everyone that our [Ham Tracks](#) web page is a place to click and learn about many of the possibilities. Each button has a description of the activity, links to more general information, and a section on club activities. Does anyone want to help update the topics? Just let me know and you can help.

### Coming up

#### State Fair Exhibit

There are still a couple shifts available for the NC Ham Radio Exhibit at the NC State Fair on October 16-26. Come help explain ham radio to the public.

Parking is free, and your admission will be taken care of. [Sign up](#), represent RARS, and meet hams from other clubs.

73,

Fin Gold, NC4FG

President

Raleigh Amateur Radio Society

## August 12, 2025 RARS meeting

Vice President Chuck Till, K4RGN called the meeting to order at 7:30 pm. He reminded Zoom participants of a few notes about using Zoom. See the minutes for all the details during the meeting on [page 31](#).



Vice President Chuck Till, K4RGN called the meeting to order



Everyone waiting for the meeting to start

## August 12, 2025 RARS meeting, continued



Door Prize winners. Left to right,  
Tom Owens, KR4EPO; Bruce Sherman, KI4PAC; and Barry Wheeler, K9IUT

---

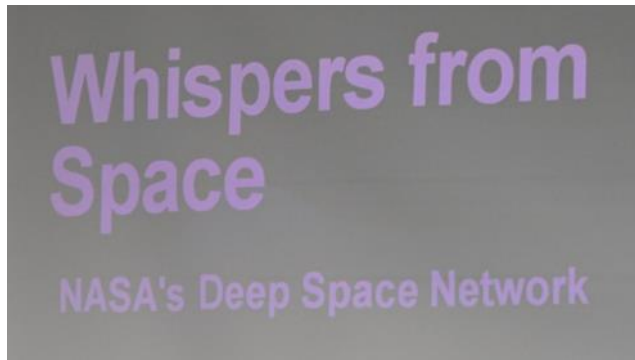
After the door prize drawing, Chuck Till introduced the guest speaker, Tony Rice, Solar System Ambassador. His presentation is titled, The NASA, Deep Space Network



Tony Rice      Solar System Ambassador



August 12, 2025 RARS meeting, continued

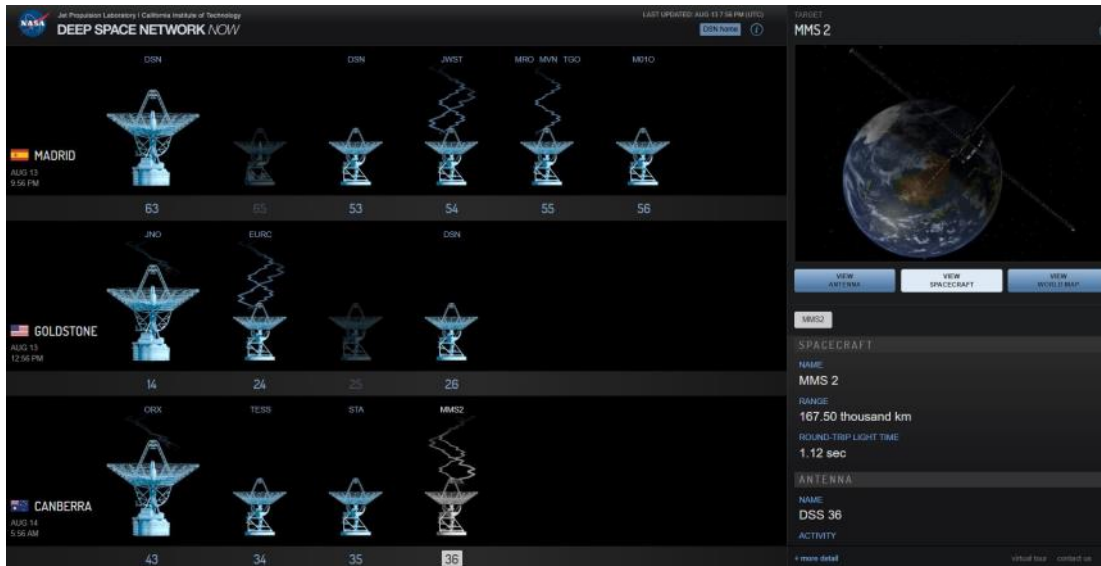


Photographs of some of the slides taken during the presentation.

There is a link to the slides of this presentation on the RARS website

[Deep Space Network - NASA](https://www.rars.org)

## August 12, 2025 RARS meeting, continued



The Jet propulsion Laboratory (JPL) has an interesting website. Click on this link to see which antennas are being used in real time. [Deep Space Network NOW](https://www.nasa.gov/deep-space-network-now). Click on an active antenna and you can see which satellite its communicating with.

## Arecibo Observatory

After the presentation, there was a question about the Arecibo Observatory. You can read about it on Wikipedia. [https://en.wikipedia.org/wiki/Arecibo\\_Observatory](https://en.wikipedia.org/wiki/Arecibo_Observatory)

This is copied from Wikipedia.

*The telescope collapsed on December 1, 2020. In 2022, the NSF announced the telescope will not be rebuilt, with an educational facility to be established on the site.*

Here are links to two youtube videos about the collapse.

Practical Engineering Arecibo Telescope, 18 minutes.

<https://www.youtube.com/watch?v=3oBCtTv6yOw>

Ground camera and drone view, 2 minutes.

<https://www.youtube.com/watch?v=ssHkMWcGat4>

## August 12, 2025 RARS meeting, continued

| Full Name         | Call Sign | Full Name           | Call Sign |
|-------------------|-----------|---------------------|-----------|
| Barry Wheeler     | K9IUT     | Josh Kurland        | KR4BTW    |
| Bill Berzinskas   | WW1H      | Julie Royster       | KT4JR     |
| Bob Starkenburg   | W4TTX     | Katie Farmer        | KQ4TIF    |
| Brantley West     | K4CBW     | Ken Latchum         | AD4GX     |
| Bruce Sherman     | KI4PAC    | Mark Freeze         | WD4KSE    |
| Charles Swindell  | WB4DCM    | Mike Joondeph       | N1JDW     |
| Charlie Mendorf   | NOCALL    | Murray Merner       | K4MHN     |
| Christine North   | KR4ANI    | Nick Baker          | KR4BTY    |
| Chuck North       | WJ4A      | Patrick Hannen      | K3PMH     |
| Chuck Till        | K4RGN     | Ralph Selmont       | KQ4RZI    |
| Dale Jones        | WA4JCK    | Stephen Haffly      | NY4NC     |
| Daniel Berzinskas | KQ4GOB    | Steve Barry         | N3FF      |
| Dennis Keith      | NC4DK     | Susan Langley-Jones | WA4AKB    |
| Dennis Mason      | WZ0Q      | Tadd Torborg        | KA2DEW    |
| Dennis McBride    | KR4DZA    | Tim Thurber         | WX4TIM    |
| Denny Oestreich   | KO4IBL    | Tom Lewis           | N4TL      |
| Greg Seamster     | KE4PAX    | Tom Owens           | KR4EPO    |
| Grey Burns        | NOCALL    | Tony O'Connor       | K1OC      |
| Hans Enders       | KQ4UXZ    | Van Crandall        | KR4CWX    |
| Jim Barron        | N4CVT     | Wilbur Goss         | WD4RDT    |
| Joe Haggerty      | N4BJH     | Will Jaber          | WY5L      |
| John Hollowell    | K4JAH     |                     |           |

43 People attended in person



## August 12, 2025 RARS meeting, continued

### Zoom attendees

| Name, Call, Location                       |
|--------------------------------------------|
| Al Nickle, KE4IHX Roxboro, NC              |
| Bob Brown, N4GEB, Clayton, NC              |
| Charles McComas, KY4HU, Raleigh, NC        |
| Charlie Strickland, WA4OSS, Knightdale, NC |
| Chris Keelor, KB8RUA, Apex, NC             |
| Chuck Littlewood, K4HF, Raleigh, NC        |
| Cliff Kendall, N3LEX, Garner, NC           |
| Daniel Rodgers, Pinehurst, NC              |
| Dave Langley, W4YDY, Greenville, NC        |
| Doug Sweet, AD4UL, Melbourne, FL           |
| Ernie Wall, NC4EW, Oak Ridge, NC           |
| Jeremy Lindsley, K2HJX, Raleigh, NC        |
| Jim Crook, KM4WRK, Raleigh, NC             |
| John Honeycutt, N8ZU, Hayward, WI          |
| Kevin Robertson, KD2WCY, Lambertville, NJ  |
| Lee Johnson, N4WYE, Marietta, GA           |
| Marc Sullivan, W4MPS, Clayton, NC          |
| Park Sterling, WZ4T, Durham, NC            |
| Ray Camp, KD2JBM, Pennington, NJ           |
| Rich Freedman, N2EHL, Lambertville, NJ     |
| Rich Hall, KR4LH, Apex, NC                 |
| Robert Caivano, K2KEM, Lawrenceville, NJ   |
| Roger Gibson K4KLK, Raleigh, NC            |
| Thomas Karches, KQ4FKQ, Cary, NC           |
| Tim Rodgers, KC1TWR, Carrboro, NC          |
| Tom Magnani, K2UCU, Cary, NC               |
| Tom Schwartz, NC4TS, Lake Royale, NC       |

27 on Zoom

43 People attended in person plus 27 on Zoom

70 total

## RARS MONTHLY SUPPER, IHOP RESTAURANT AUGUST 19, 2025



Names clockwise around the table, Marty Young, W4MY; Robert Chew; Susan Jones, WA4AKB; Chuck Littlewood, K4HF; Chuck Till, K4RGN; Dennis Mason, WZ0Q; Dale Jones, WA4JCK; Bob Chew, K4YXM; Bob Starkenburg, W4TTX; Denny Oestreich, KO1BL; Ken Latchum, AD4GX; Tom, N4TL taking the picture



Names clockwise around the table, Dennis Mason, WZ0Q; Dale Jones, WA4JCK; Bob Chew, K4YXM; Bob Starkenburg, W4TTX; Denny Oestreich, KO1BL; Ken Latchum, AD4GX; Dave Price, K4KDP; Marty Young, W4MY; Robert Chew; Susan Jones, WA4AKB



## Monthly In-Person RARS Gathering, August 26, 2025

Ridge Road Baptist Church, at [2011 Ridge Road, Raleigh](#)

The meeting starts at 7:00 pm in the Fellowship Hall, but we start setting up at 6:00 pm, and you are welcome to bring your own ham radio equipment and projects to demonstrate, show off, or just work on with other like-minded hams -- we have plenty of tables. You might also find sources of coax, connectors, zip cord, Powerpoles®, and whatnot.



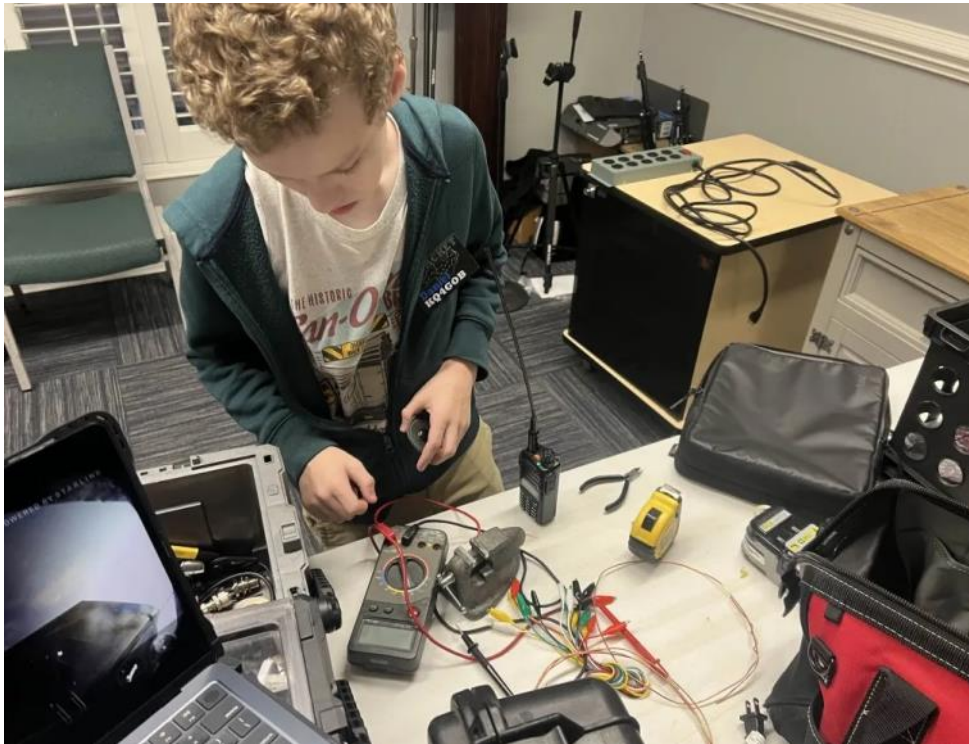
A Picture from Fin, NC4FG



Miscellaneous pictures taken at the gathering copied from discord



## Monthly In-Person RARS Gathering, August 26, continued



Miscellaneous pictures taken at the gathering copied from discord

## Monthly In-Person RARS Gathering, August 26, testing



Photo 1: Haven Harris testing for Tech; Ralph Selmont testing for Extra; and VEs are Julie, Brantley and Dennis.



Photo 2: Clayton McDaniels at back left testing for Tech; Nicholas and Scott Lenfestey also at back table; and Kyra Lenfestey facing Ralph--all testing for General.



Photo 3: Additional VEs Joe Haggerty and Stan Disbrow.

"At the Gathering on 26 August, we had six individuals testing for new licenses or upgrades. The 'Lenfestey Trio' who tested with us in October 2024 were all back for the General upgrade--100% success. Ralph Selmont, Jr. came back to test for his Extra-success again. Lastly, Clayton McDaniels and Haven Harris tested for Technician with 100% pass rate again. A very successful evening for all! VEs participating were Julie Royster, Brantley West, Dennis Keith, Joe Haggerty, Stan Disbrow and Richard Hall."

73, Richard Hall, KR4LH (all pictures and text from Richard)



## Monthly In-Person RARS Gathering, August 26, continued

| Full Name         | Call Sign | Full Name       | Call Sign |
|-------------------|-----------|-----------------|-----------|
| Barry Wheeler     | K9IUT     | John Hollowell  | K4JAH     |
| Bill Berzinskas   | WW1H      | Jon Griffiths   | W6PI      |
| Bob Richards      | W4GIA     | Julie Royster   | KT4JTR    |
| Brantley West     | K4CBW     | Ken Latchum     | AD4GX     |
| Caleb Buckner     | KQ4WOM    | Mark McIntire   | KB4MHA    |
| Cam McIntire      | KU4VY     | Michael Johnson | KZ4LY     |
| Charles McComas   | KY4HLI    | Mike Joondeph   | N1JDW     |
| Chuck North       | WJ4A      | Mike Kerley     | KO4PAS    |
| Daniel Berzinskas | KQ4GOB    | Oliver McIntire | KR4CKD    |
| David Burt        | W4OFO     | Ralph Selmont   | KQ4RZI    |
| Dennis Keith      | NC4DK     | Richard Hall    | KR4LH     |
| Dennis Mason      | WZ0Q      | Sam Harris      | KQ4AQJ    |
| Denny Oestreich   | KO4IBL    | Stephen Haffly  | NY4NC     |
| Devin Hedge       | KN4FVH    | Tadd Torborg    | KA2DEW    |
| Doug Wall         | N3LTV     | Tim Thurber     | WX4TIM    |
| Fin Gold          | NC4FG     | Tom Lewis       | N4TL      |
| Frank Scaraglino  | KA2FWC    | Tony O'Connor   | KR4DLO    |
| Jeremy Lindsley   | K2HJX     | Tony O'Connor   | K1OC      |
| Joe Haggerty      | N4BJH     | Wade Daniel     | KK4UGY    |
| John Aceti        | N1GMV     | Will Jabber     | WY5L      |

40 People attended the July Gathering

## RARS Member Birthdays

|                 |        |      |
|-----------------|--------|------|
| Bill            | W0VZ   | 09/  |
| Jack            | K4WFJ  | 9/2  |
| Dave            | KK4BPM | 9/2  |
| Jimmie          | KM4DJR | 9/2  |
| Daryl           | KX4WY  | 9/3  |
| Wilbur          | WD4RDT | 9/3  |
| Jim             | W4YGM  | 9/4  |
| Michael         | KO4HCZ | 9/4  |
| Mary Jo         | K4MJL  | 9/5  |
| Joe             | K4JMZ  | 9/6  |
| Jim             | KV4WTF | 9/7  |
| Lou             | K4BYN  | 9/7  |
| Charles         | KQ4QXE | 9/10 |
| Robert Harrison |        | 9/10 |
| Nancy           | KB2TNR | 9/10 |
| Lee             | AC4XF  | 9/10 |
| John            | KO4RUD | 9/11 |
| Kevin           | KQ4YBZ | 9/12 |
| Ray             | KF4AIB | 9/14 |
| Bill            | K4VHO  | 9/15 |
| Robert          | W4MBD  | 9/16 |
| Sandy           | AC1Y   | 9/16 |
| Paul            | N2XZF  | 9/16 |
| Ken             | N4ZBB  | 9/18 |
| Mac             | WQ8U   | 9/18 |
| Kevin           | N4ANC  | 9/19 |
| Rod             | KI4LSN | 9/20 |
| Chuck           | W2WNC  | 9/20 |
| Bill            | WD4PXN | 9/20 |
| Sam             | KN4RWI | 9/22 |
| Javier          | K4JH   | 9/23 |
| Van             | KR4CWX | 9/24 |
| Alex            | KR4BTZ | 9/25 |
| Steve           | KI4YXJ | 9/25 |
| Justin          | AJ4MJ  | 9/25 |
| Carl            | N4BBA  | 9/26 |
| Julie           | WE3T   | 9/27 |
| Leon            | KB4KSA | 9/27 |

## RARS New Members

|                   |        |
|-------------------|--------|
| John Millemaci    | NG2I   |
| Clayton McDaniels | KR4GMA |

August 2025

### RARS Net Report

31 2m nets: 435 checkins,  
835 minutes duration

4 6m nets: 48 checkins,  
99 minutes duration

Julie Royster, KT4JR,  
RARS net manager

## FM satellites, and proof that you can make an antenna out of just about anything.

Tim Thurber – WX4TIM

Ever since returning to the hobby after a two-decade hiatus, I found myself surprised with the new aspects of amateur radio that I began to enjoy, this time around. During that hiatus I had kept up with renewing the General-class license I obtained as a kid despite going silent. When I came back to the hobby I had expected to start doing two things: participate in nets on 2 meters, and be frustrated with HF never working. Little did I know that I would be smitten with taking to the skies and chasing FM satellites. Sure, I also found other new things to pursue such as using FT8 with GridTracker and WSJT-X, and I upgraded to an Extra-class license, but let's talk about the birds.

My first contact via FM satellite was entirely unexpected. Billy (KE4VNC) put a bug in my ear at one of the RARS gatherings and I decided to give it a whirl. A couple of days later, the SO-50 satellite made an 83-degree pass over my house. With a Yaesu VX-6R in one hand and a Baofeng UV-5R in the other, I casually tried to activate a repeater inside a little box that was flying overhead at 16,000 MPH with one radio, while constantly tuning the receiver for doppler shift with the other. Then, what seemed like a miracle happened. I held a QSO with a ham in Connecticut, from my backyard in Durham, NC. It was quite ephemeral, yet I was absolutely blown away. How could I barely hit a local repeater with five watts of power sent through a rubber ducky\*, yet I just reached a spacecraft?

In the coming weeks, I bought the AMSAT book. I tried, often desperately, to contact others via SO-50 and the ISS. My wife would look out the window late at night to see me standing in the yard holding radios in both hands while yelling my callsign repeatedly. I obtained two useful apps for my iPhone: GoSat-Watch and ISS Detector. I tried all sorts of combinations of equipment. Two HTs, a full-duplex Yaesu mobile rig, whatever I had on hand was fair game.



## FM satellites, continued



I started to look into purchasing an antenna for FM satellite use, such as the Elk or Arrow. However, I stumbled across plans on the internet for a yagi made out of – get this – a tape measure:

<https://nt1k.com/vhf-3el-tape-measure-yagi/>

I put my wallet away\*\*, and got to work. In the spirit of ham radio, I decided that I must make an attempt to build this antenna. I already had some spare coax, PL-259s, some 14-gauge electrical wire, a soldering iron, hose clamps and about four or five tape measures.

But which tape measure should I choose for the sacrifice? Well, I wanted to pick one that was hefty and rigid, so that the reflector, driven, and director elements would not be prone to flapping in the wind. What better example than my late father's Stanley 25-foot tape measure! The first few feet of this tape measure were absolutely trashed, and as a ham himself (KE4OPM) I thought that if he were still around he would get a kick out of how I repurposed his tape measure.

I made some modifications to the plan listed on NT1K's website, most notably adding a tee in the middle of the boom so that I could mount the yagi on a portable stand in case I wanted to use it for things other than satellites\*\*\*. With a NanoVNA and some tweaking of the driven element spacing, I found that the SWR for both 2m and 70cm could be brought to a level that would be acceptable for the low-power use I was intending, with the trend on both bands to have a lower SWR at higher frequencies. Considering how poor the SWR is on the original rubber ducky antenna that came with the VX-6R, the tape measure antenna's mediocre SWR was an improvement.



## FM satellites, continued

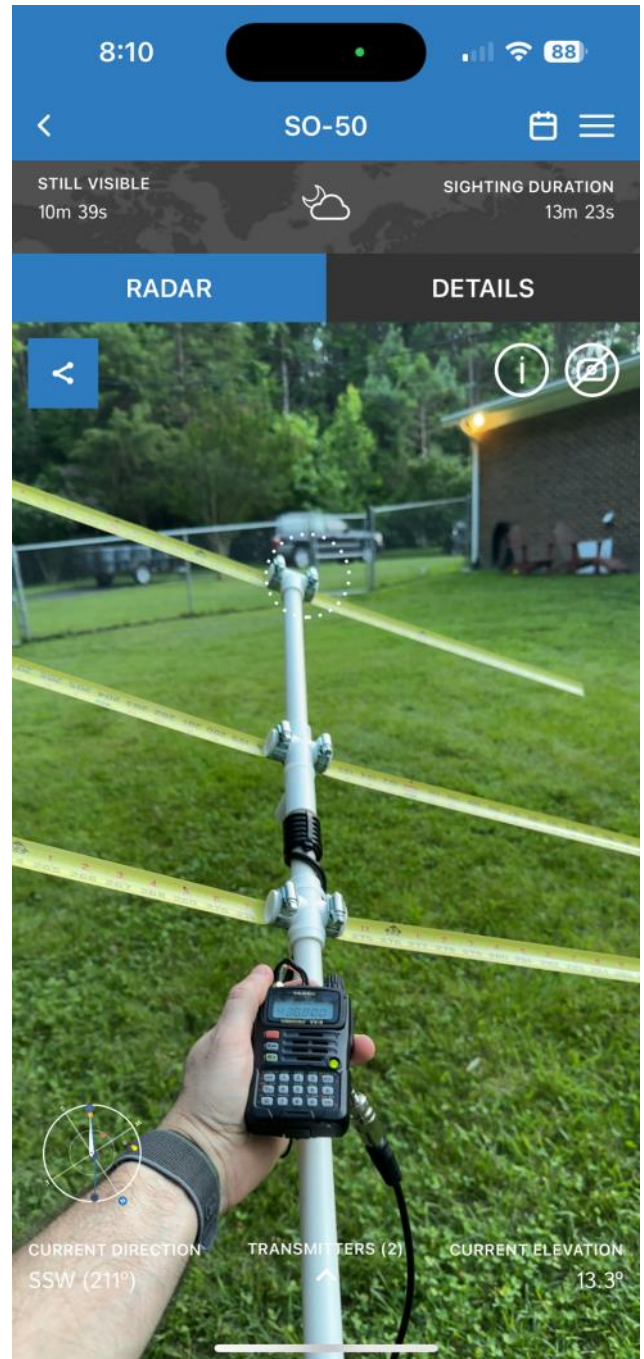
While I was unable to get a confirmed QSO during either of the two viable satellite passes on Field Day 2025, the received signals from both SO-50 and the astronauts on the ISS came in loud and clear. Does the tape measure yagi work as well as an Elk or an Arrow satellite antenna? I honestly would hope not, but it embodies what I feel is the spirit of ham radio: “this idea seems interesting, let’s see if it works”. And if my dad is watching, I think he’d enjoy knowing that I took to the skies again.

\*-Yes, I know VHF and UHF are line-of-sight and I have a lot of trees, but let’s be honest, this tidbit makes the story more interesting.

\*\*-Technically, I spent a total of \$17 to purchase the PVC pipes and connectors used to build the antenna. Everything else I had on-hand already.

\*\*\*-The 146.640 repeater comes in more clearly at my house using the tape measure yagi than it does with my 8-foot-tall Tram colinear.

73 Tim Thurber – WX4TIM



## QRZ.com

For those new to amateur radio, it is worth noting the existence of [QRZ.com](https://www.qrz.com), a free and widely used online resource. When the Federal Communications Commission (FCC) issues an Amateur Radio license, QRZ.com automatically creates a listing for the associated call sign. License holders can then claim and customize their profiles with personal information, photographs, and updates.

Alan (AB4OZ), for example, frequently updates his profile to share details about upcoming hamfests. As the trustee for W4DW, I have added relevant information about the Raleigh Amateur Radio Society (RARS) to our listing.

Exploring other call signs on the site can provide insight into how operators use their profiles. I encourage all licensees to upload a photograph to their entry. This not only helps others recognize you during radio communications but also serves as a helpful reference when recalling past conversations.

73 Tom, N4TL. (edited by my daughter, Susan)

---

## RARS Classifieds

Copied from <https://www.rars.org/classifieds.php>

The items below were listed within the last 30 days on the RARS website.  
Check the RARS Classified List on the RARS website regularly for new items.

### **Cushcraft R8 Antenna**

Posted August 31st, 2025 by: [KQ4ICK](#)

Contact: [garrydouglassmurray@gmail.com](mailto:garrydouglassmurray@gmail.com)

Hello fellows! I have a Cushcraft R8 Antenna for sale... \$150

It's a nice working antenna in lots of places! Thanks!

---

### **For Sale - Anytone AT-587UVIII Plus Tri-Band DMR Radio**

Posted August 30th, 2025 by: W4BMX

Contact: [W4BMX](#)

tonylaszlo@hotmail.com

For Sale

Like new Anytone AT-587UVIII Plus Tri-Band DMR Radio

Includes BT-01

---

<https://www.rars.org>

## RARS Classifieds continued

Original Mic

Programing cord

Manual

SO-239 to BNC Connector

Most of the popular Brandmeister and TGIF frequencies have been programmed in for DMR. Just add your DMR ID and set your hotspot to 432.700 and you are on DMR.

\$425

\*Note the side rubber cover on the BT-01 is not tethered on, came from the factory this way. Absolutely no issue in functionality. See picture.

Regards,

W4BMX

Tony

---

### Ten Tec Omni VI+ entire station

Posted August 30th, 2025 by: [N4GEB](#)

Contact: [brownr@mail.com](mailto:brownr@mail.com)

Ten Tec Omni VI 563 with option 3

Power supply, speaker, antenna tuner, mic, Model 301 external vfo encoder 3 optional crystal filters: 1.8 KHz, 500 Hz, 250 Hz and 9 MHz narrow filter

\$ 750

I have pictures available if you would like I can email them to you. I live in the Clayton NC area and you can come by and see it and operate it if you like. The radio works well

73 Bob

---

### FS: 4-125A Transmitting Tetrodes

Posted August 26th, 2025 by: [W4BOH](#)

Contact: [infomet@embarqmail.com](mailto:infomet@embarqmail.com)

The real deal. Excellent tubes for HF amps. Build a real radio, if you can handle 3000 Volts! Run a KW to a pair and enjoy the glow. Or a 500W audio amp to impress your neighbors.

## RARS Classifieds continued

Several available, \$25 each.

You can come to Hillsborough and see them work. I have amplifier components available, if you get serious. Life insurance not included.

Wilson

---

### For Sale Palstar AT2K Tuner

Posted August 23rd, 2025 by: [W4BMX](#)

Contact: [W4BMX](#)

For Sale, Palstar AT2K Tuner Priced reduced to \$475.

Regards, W4BMX

Tony 919 961-1813

\*Please text for pictures and you are welcome to come over and test before purchasing.

---

### Free Modem

Posted August 20th, 2025 by: [W4BOH](#)

Contact: [infomet@embargmail.com](mailto:infomet@embargmail.com)

AT&T 645 DSL modem and wall wart.

Don't want to recycle it.

Free in Hillsborough, \$10 mailed to you.

WL

---

### Ameritron AL-80B

Posted August 19th, 2025 by: [AJ4M](#)

Contact: [jim.shelby@att.net](mailto:jim.shelby@att.net)

I recently purchased a PALSTAR LK-1 Solid State AMP and I am willing to part with my AL-80B. The AMP is two-years-old. The AMP has been modified for 10 meters and includes the option to disable the AMP if excessive grid dissipation occurs. The AMP is wired for 120V but can be wired for 90-250V. I do have the manual.

The AMP works but appears to be a bit weak (600w as opposed to the original 800w I got dead carrier input (Wired for 120v). I assume that the 3-500z tube 'may' be the culprit?(Nothing like a good old Emac



## RARS Classifieds continued

tube! Tubes are available from several places, but I assume they are all made in China. Anyway, I'm asking \$550 for the AMP.

Any comments or questions please email

Thanks for looking!

---

### Misc Ham Radio Gear

Posted August 19th, 2025 by: K4HF

Contact: [K4HF](#)

k4hf953@yahoo.com

1. Samlex SEC-1235M Power Supply. 13.8VDC, 30A Tested. \$80
2. Tekpower TP30SWI Power Supply. 13.8VDC. 30A Tested \$80

contact me by e mail. Thanks - Chuck

---

### Treasure Trove of Boatanchors

Posted August 15th, 2025 by: W4BOH

Contact: [W4BOH](#)

infomet@embarqmail.com

A friend is starting to thin his herd and the first tranche of rare and desirable equipment follows.

All are in good physical condition and most work.

A couple need minor work and none are basket cases, or even parts rigs.

Prices are not listed because I haven't had time to do the market research to set them.

Email me what you would like to have and I'll set a price.

You're welcome to make offers, of course, but don't bother with any lowballs.

All are in Hillsborough, in an area near several pretty good restaurants, so a visit would be worthwhile!

Drop me an email to discuss, Wilson

B&W 5100 Needs new relay (on hand) installed

SX-28 and hard to find SPEAKER

RME-45 and speaker

## RARS Classifieds continued

NC-300  
Viking II and VFO  
Globe Scout Painted new color  
TS-520S  
Ten Tec antenna tuner  
Viking 6&2, VFO, and HB power supply  
Harvey Wells TBS-50 Modified with 2E26 final  
Harvey Wells TBS-50 Modified for CW only  
TenTec Century 21, great 35W CW rig  
Heathkit HW-101 and HP-23 power supply  
Drake twins and transceivers

---

### **Control head for Alinco DR-600**

Posted August 14th, 2025 by: [KA2FWC](#)

Contact: [ka2fwc@bellsouth.net](mailto:ka2fwc@bellsouth.net)

I have an Alinco DR-600 that the head is flaky. I cant figure out whats up. I am looking for a head (or dead radio) . It could be the DR-599 also

Thanks

Frank KA2FWC

---

### **ICOM 1271 1.2 GIGAHERZTH MICROWAVE**

Posted August 14th, 2025 by: [KQ4FSP](#)

Contact: [johnwills132@yahoo.com](mailto:johnwills132@yahoo.com)

FRIEND ASKED ME TO POST TO RAR MEMBERS ONLY

ICOM 1271 Mhz ALL MODE TRANSCEIVER }10W} RAM BOARD BATTERY BACK-UP FREQUENCY

EXTERNAL BLOWER FAN IN STALLED I HAVE RADIO THAT WAS DELIVERED HERE FOR MEMBERS OF RAR

FOR THIS TYPE RADIO 250.00 ASKING PRICE MORE INFORMATION

CALL LENDAH AT 804-994-7382

## RARS Classifieds continued

### Final 2 Years of QST Magazines!!

Posted August 9th, 2025 by: [N1GMV](#)

Contact: [n1gmv@hotmail.com](mailto:n1gmv@hotmail.com)

I have the Final 24 QST Magazines Published.  
\$50 for the Lot

---

### Yaesu FTdx 1200

Posted August 7th, 2025 by: [W4MPS](#)

Contact: [w4mps@nc.rr.com](mailto:w4mps@nc.rr.com)

Original owner. Non smoking environment. Includes DVS-6 Voice Memory Unit and FFT-1 Decoder Board, USB-63 interface cable, MH-31 B8 Microphone.  
Excellent condition. \$825.00 Pick Up Clayton, NC

---

### FS: Two Position Antenna Switch

Posted August 4th, 2025 by: [W4BOH](#)

Contact: [infomet@embarqmail.com](mailto:infomet@embarqmail.com)

The heavy metal kind.

Model XS-201

Unbranded but I think it's a Daiwa

Does not have a center off position

\$20

In Hillsborough but can be picked up in Morrisville, near 54 and 540

# Minutes, Board of Directors Meeting

## Raleigh Amateur Radio Society

August 5, 2025

1. President Fin Gold NC4FG called the meeting to order at 7 pm. Those present were Fin Gold NC4FG, Chuck Till K4RGN, Julie Royster KT4JR, Chuck Littlewood K4HF, Denny Oestreich KO4IBL, Greg Seamster KE4PAX, Richard Hall KR4LH, Tadd Torborg KA2DEW, Ken Latchum AD4GX, Nancy Torborg KB2TNR, Tom Lewis N4TL, Brantley West K4CBW, Jeremy Lindsley K2HJX, and Tony O'Connor K1OC.
2. President Gold asked Secretary Julie Royster whether a quorum was achieved and she confirmed that a quorum was present. He then requested a motion to approve the minutes of the July board meeting. The motion was made by Ken Latchum, was seconded, and passed unanimously.
3. Old Business
  - a. Repeater Chair Changes - Fin Gold NC4FG  
President Gold noted that, following the acceptance of the resignation of Jon Suen KG6K on July 3, Fin became acting repeater chair. He moved that the board appoint John Hollowell K4JAH as acting repeater chair until the end of the year. The motion was seconded and approved unanimously.
  - b. Bylaws Suggested Changes - Fin Gold NC4FG  
President Gold asked board members to review suggested bylaws changes as detailed in a Discord thread and link.
4. New Business  
Nominating Committee Update - Chuck Till K4RGN  
The VP is chair of the nominating committee in years when the VP is not up for election, so Chuck is the chair this year. Chuck moved that John Honeycutt and Nancy Torborg be members of the nominating committee. The motion was seconded and passed. The committee must recommend candidates for the offices of President and Secretary.



## RARS Board of Directors Meeting minutes continued

### 5. Officer's Reports

- a. Vice-President's Report – Chuck Till K4RGN  
Regarding speakers we have programs planned for August and September.
- b. Treasurer's Report – Greg Seamster KE4PAX  
Fin has initiated the change of RARS' registered agent. There are currently 598 members, with 581 voting members. Non-renewals will drop off the roster on October 15.
- c. Secretary's Report – Julie Royster KT4JR  
The minutes are up to date.

### 6. Committee Reports:

- a. Net Manager Julie Royster, KT4JR  
Nets are continuing as usual.
- b. Public Service Director Jeremy Lindsley, K2HJX  
The big New Bern bike ride event next month has sign-ups.
- c. Education Director Denny Oestreich, KO4IBL  
Fall class starting Sept 6 has 10 signed up already including 2 or 3 Red Cross people. Denny needs help with RC building access, RC audiovisual equipment, and access to radios for the class.
- d. FM Repeater Chair Fin Gold, NC4FG  
Fin has gone with John Hollowell to upgrade and test the repeaters. For the RTP and Bayleaf repeaters we can now tell when the UPS goes on and off.
- e. Club License Trustees Tom Lewis, N4TL  
Tom no longer wants to be a license trustee. Brantley checked the ULS for N4RAL and Brantley has been updated as trustee.
- f. Exciter Editor Tom Lewis, N4TL  
The Exciter for this month is almost done.
- g. RARSfest Chair Nancy Torborg, KB2TNR  
Nancy is going to the Huntsville hamfest next week to identify potential vendors and forum

## RARS Board of Directors Meeting minutes continued

leaders. Nancy has learned that ARRL offers grants for hamfests. She intends to apply for this. The NC Fairground has raised their price 25%. We could consider renting the Exposition building if we got this grant. We do have Easter interference with the 2026 RARSfest date but not the following 2 years. There is a new thread in Discord about the grant possibility and how we might use this money if we got it. We can also apply to ARRL to be a division hamfest, which would provide some extra funding.

- h. ARRL Liaison                                      Chuck Littlewood, K4HF  
Thanks to Tony for putting announcements from ARRL onto the website quickly.
  - i. RARS VE Coordinators                      Richard Hall, KR4LH  
There will be a test session at the Gathering in August.
  - j. RARS Webmaster                              Tony O'Connor, K1OC  
There have been some issues with some contact forms on the website not working, and Tony will resolve this. The stickers we ordered have arrived and will be at the membership meeting.
  - k. Youth Chairman                              Brantley West, K4CBW  
Conn Elementary School has received a grant for ARISS contact with the International Space Station. Mark Hammond N8MH and John Breyer K4EB will be assisting with the full support of RARS, as the club was listed on the grant application. We will know more details as the school year gets underway.
  - l. At Large Director                              Tadd Torborg, KA2DEW  
no update
  - m. At Large Director                              Ken Latchum, AD4GX  
no update
8. Other reports or questions Tom Lewis has forwarded to Brantley an official copy of the license showing Brantley as trustee.
9. President Gold asked for a motion to adjourn. The motion was made and seconded, passed, and the meeting was adjourned at 7:40 pm.

Respectfully submitted,  
Julie Royster KT4JR, RARS Secretary

# RARS General Membership Meeting minutes

August 12, 2025, 7:30 PM

1. Vice-President Chuck Till, K4RGN, called the meeting to order at 7:30 pm, welcomed all those present, and mentioned tips about using Zoom. He announced that following the resignation of repeater chair Jon Suen, the RARS board appointed John Hollowell K4JAH as the new RARS Repeater Chair. John has been on the Repeater committee for months and is already helping improve our capabilities. All repeater questions should be directed to John.
2. V-P Till asked if anyone present was a new member, a visitor, or a newly upgraded licensee. Visitors were Charlie Mendorf, and Grey Burns.
3. Officers' Reports
  - 1) Secretary Julie Royster, KT4JR, reported that the minutes were up to date.
  - 2) Treasurer Greg Seamster, KE4PAX, reported that there were currently 599 members, with 140 members who have not yet renewed their dues. Those who do not renew dues by October 15 will be dropped from the roll.
4. Specific Announcements or Reports from Directors
  - 1) The next Board Meeting will be at 7 PM Tuesday, September 2, 2025 on Zoom. Contact Fin NC4FG for details on joining.
  - 2) The annual Shelby hamfest will be August 29-30, 2025.
  - 3) V-P Till described the multi-mode capabilities of the D-Star repeater.
5. Quorum Call: V-P Till asked Secretary Royster whether a quorum had been achieved. Counting in-person + Zoom attendees there was a quorum. V-P Till asked for a motion to approve the Club Meeting Minutes for July 2025. The motion was made, seconded, and passed unanimously.
6. Door Prize Drawing: V-P Till initiated the drawing for door prizes. The winners were Bruce Sherman KI4PAC, Barry Wheeler K9IUT, and Tom Owens KR4EPO.

## RARS General Membership Meeting minutes continued

7. V-P Till introduced the program:

The NASA Deep Space Network

Presented by Tony Rice, Solar System Ambassador

from the Jet Propulsion Laboratory in Pasadena, California.

8. Following the outstanding program, V-P Till thanked Tony Rice for his presentation. Next month our speaker will be Devin Hedge KN4FVH, who will discuss digital modes.
9. V-P Till asked for a motion to adjourn the meeting. The motion was made, seconded, and approved. The meeting was adjourned at 8:45 pm.

Respectfully submitted,

Secretary Julie Royster, KT4JR